



Safety Data Sheet

Synthetic Paraffinic Kerosene (SPK)

Version 1.00

Revision Date 17.10.2018

SECTION 1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name

Synthetic Paraffinic Kerosene (SPK)

Synonyms

Sasol Synthetic Jet Fuel Component, Sasol HTFT-IPK,
Kerosene, Kerosine, Jet Fuel Component, Fischer-Tropsch
Iso-paraffinic Kerosene, Kerosene (Fischer-Tropsch), FT-IPK

Relevant identified uses of the substance or mixture and uses advised against

Use

Industrial use. Research and development.

Uses advised against

No data available

Manufacturer or supplier's details

Company

Sasol Oil Pty (Ltd)

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South Africa

Telephone

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E-mail address

sasolchem.info.sa@sasol.com

Emergency telephone number

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+44(0)1235 239 671 (Middle East, Arabic African countries)

+65 3158 1074 (Asia Pacific)

+86 10 5100 3039 (China)

+27 (0)17 610 4444 (South Africa)

Safety Data Sheet

Synthetic Paraffinic Kerosene (SPK)

Version 1.00

Revision Date 17.10.2018

+61 (2) 8014 4558 (Australia)

SECTION 2. Hazards identification

Classification of the substance or mixture

South Africa. GHS Classification and Labelling of Chemicals - SANS 10234

Classification

Flammable Liquids

Category 3

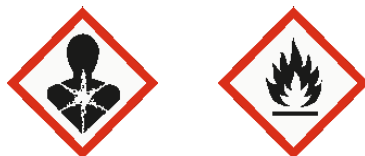
Aspiration hazard

Category 1

Label elements

South Africa. GHS Classification and Labelling of Chemicals - SANS 10234

Pictogram



Signal word

Danger

Hazard statements

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

Precautionary statements

Prevention

P210: Keep away from heat, hot surfaces, sparks, open flames and

Safety Data Sheet

Synthetic Paraffinic Kerosene (SPK)

Version 1.00

Revision Date 17.10.2018

	other ignition sources. No smoking.
	P240: Ground/bond container and receiving equipment.
	P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response	<p>P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.</p> <p>P331: Do NOT induce vomiting.</p> <p>P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.</p>
Storage	<p>P403 + P235: Store in a well-ventilated place. Keep cool.</p> <p>P405: Store locked up.</p>
Disposal	Dispose of as hazardous waste in compliance with local and national regulations.
Other hazards	Flammable.Prolonged or repeated contact may dry skin and cause irritation.Harmful: may cause lung damage if swallowed.

SECTION 3. Composition/information on ingredients

Substance

Kerosine (Fischer Tropsch), full range, C8-16-branched and linear

Contents: 100.00 %W/W

CAS-No. 848301-66-6

Index-No.

EC-No. 481-670-5

For the full text of the H-Statements mentioned in this Section, see Section 16.

Safety Data Sheet

Synthetic Paraffinic Kerosene (SPK)

Version 1.00

Revision Date 17.10.2018

SECTION 4. First aid measures

Description of necessary first-aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Prevent vomiting if possible. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	Dry powder. Foam. Carbon dioxide (CO ₂),
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Safety Data Sheet

Synthetic Paraffinic Kerosene (SPK)

Version 1.00

Revision Date 17.10.2018

Special hazards arising from the substance or mixture	Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

SECTION 6. Accidental release measures

Personal precautions	Use personal protective equipment. Ensure adequate ventilation.
Environmental precautions	Avoid subsoil penetration. Try to prevent the material from entering drains or water courses.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). The material taken up must be disposed of in accordance with regulations.
Reference to other sections	Refer to section 8 and 13

SECTION 7. Handling and storage

Safe handling advice	Wear personal protective equipment. Avoid contact with skin and eyes.
Advice on protection against fire and explosion	Take measures to prevent the build up of electrostatic charge.
Requirements for storage	Keep containers tightly closed in a cool, well-ventilated place.

Safety Data Sheet

Synthetic Paraffinic Kerosene (SPK)

Version 1.00

Revision Date 17.10.2018

areas and containers

Advice on common storage No data available

SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

Exposure controls

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection	Impervious gloves
Eye protection	If splashes are likely to occur, wear: Safety glasses with side-shields
Skin and body protection	Protective suit Safety shoes Impervious gloves
Hygiene measures	Wash hands before breaks and immediately after handling the product.

SECTION 9. Physical and chemical properties

Safety Data Sheet

Synthetic Paraffinic Kerosene (SPK)

Version 1.00

Revision Date 17.10.2018

Information on basic physical and chemical properties

Form	Liquid
State of matter	Liquid
Colour	Colourless
Odour	Hydrocarbon-like
Odour Threshold	No data available
Melting point/range	< -20 ° C
Boiling point/boiling range	min. 157 - 268 ° C
Flash point	40 ° C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Relative vapour density	No data available
Density	0.73 - 0.77 g/cm ³ ; 20 ° C
Water solubility	Immiscible
Partition coefficient: n-octanol/water	Pow: > 6.5
Viscosity, kinematic	1.5 mm ² /s; 40 ° C

SECTION 10. Stability and reactivity

Reactivity	Stable under normal conditions.
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Safety Data Sheet

Synthetic Paraffinic Kerosene (SPK)

Version 1.00

Revision Date 17.10.2018

Chemical stability	No data available
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Materials to avoid	Strong acids and oxidizing agents
Hazardous decomposition products	No decomposition if stored normally.

SECTION 11. Toxicological information

Acute oral toxicity	Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: LD50 Rat: > 5,000 mg/kg; The data is derived from the evaluations or test results achieved with similar products (conclusion by analogy).
Acute inhalation toxicity	Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: LC50 Rabbit: > 5.2 mg/l; The data is derived from the evaluations or test results achieved with similar products (conclusion by analogy).
Acute dermal toxicity	Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: LD50 Rabbit: > 2,000 mg/kg; The data is derived from the evaluations or test results achieved with similar products (conclusion by analogy).

Safety Data Sheet

Synthetic Paraffinic Kerosene (SPK)

Version 1.00

Revision Date 17.10.2018

Skin irritation	slight irritation
Eye irritation	No eye irritation
Sensitisation	Does not cause skin sensitisation.
Inhalation	No data available
Ingestion	May be fatal if swallowed and enters airways.
Further Information	Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: The data is derived from the evaluations or test results achieved with similar products (conclusion by analogy).

SECTION 12. Ecological information

Toxicity to daphnia and other aquatic invertebrates	Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: Daphnia (water flea); 48 h; EC50; > 1,000 mg/l(literature value)
Biodegradability	Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: Expected to be biodegradable, The data is derived from the evaluations or test results achieved with similar products (conclusion by analogy).
Bioaccumulation	No bioaccumulation is to be expected (log Pow <= 4).
Bioaccumulation	Kerosine (Fischer Tropsch), full range, C8-16-branched and linear: Bioaccumulative potential
Mobility in soil	Kerosine (Fischer Tropsch), full range, C8-16-branched and linear:



Safety Data Sheet

Synthetic Paraffinic Kerosene (SPK)

Version 1.00

Revision Date 17.10.2018

Results of PBT and vPvB assessment

Kerosine (Fischer Tropsch), full range, C8-16-branched and linear:

Other adverse effects

Kerosine (Fischer Tropsch), full range, C8-16-branched and linear:

This product has no known ecotoxicological effects. The data is derived from the evaluations or test results achieved with similar products (conclusion by analogy).

SECTION 13. Disposal considerations

Product

In accordance with local and national regulations.

SECTION 14. Transport information

ADR

UN number: 1223

Class: 3

Packaging group: III; F1;

Proper shipping name: KEROSENE

RID

UN number: 1223

Class: 3

Safety Data Sheet

Synthetic Paraffinic Kerosene (SPK)

Version 1.00

Revision Date 17.10.2018

Packaging group: III; F1

Proper shipping name: KEROSENE

ADNR

UN number: 1223

Class: 3

Packaging group: III; F1

Proper shipping name: KEROSENE

IMDG

UN number: 1223

Class: 3

EmS: F-E, S-E

Packaging group: III

Proper shipping name: KEROSENE

ICAO/IATA

UN number : 1223

Class: 3

Packaging group: III



Safety Data Sheet

Synthetic Paraffinic Kerosene (SPK)

Version 1.00

Revision Date 17.10.2018

Proper shipping name: Kerosene

SECTION 15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Registration, Evaluation and Authorisation of Chemicals (REACH)	All chemical constituents are listed in: Registration, Evaluation and Authorisation of Chemicals (REACH) (See chapter 3)
EU list of new chemical substances	All chemical constituents are listed in: EU list of new chemical substances (See chapter 3)
USA TSCA Inventory	Components Not listed C8-C16 branched and linear hydrocarbons (full range) - Kerosine
Canada. DSL - Domestic Substances List, part of CEPA	Components Not listed C8-C16 branched and linear hydrocarbons (full range) - Kerosine
Australia. AICS - Australian Inventory of Chemical Substances	All chemical constituents are listed in: Australia. AICS - Australian Inventory of Chemical Substances (See chapter 3)
New Zealand Inventory of Chemical Substances	Components Not listed C8-C16 branched and linear hydrocarbons (full range) - Kerosine
Japan. ENCS - Existing and New Chemical Substances Inventory	Components Not listed C8-C16 branched and linear hydrocarbons (full range) - Kerosine
Japan. Industrial Safety and Health Law -	Components Not listed

Safety Data Sheet

Synthetic Paraffinic Kerosene (SPK)

Version 1.00

Revision Date 17.10.2018

Inventory	C8-C16 branched and linear hydrocarbons (full range) - Kerosine
Korea. KECI - Korean Existing Chemicals Inventory	All chemical constituents are listed in: Korea. KECI - Korean Existing Chemicals Inventory (See chapter 3)
Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances	All chemical constituents are listed in: Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances (See chapter 3)
China. IECSC - Inventory of Existing Chemical Substances in China	Components Not listed C8-C16 branched and linear hydrocarbons (full range) - Kerosine

SECTION 16. Other information

Full text of H-Statements.

This substance contains no components with H-statement.

All reasonable efforts were exercised to compile this SDS in accordance

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which this product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place with respect to health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further



Safety Data Sheet

Synthetic Paraffinic Kerosene (SPK)

Version 1.00

Revision Date 17.10.2018

remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of this product.

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